



SPINDLE UPGRADE KIT FOR MODEL G9933 INSTRUCTION SHEET

Why Did You Get This Kit?

The original spindles that came with your Model G9933 may have been over-hardened during manufacturing. Where this over-hardening occurred there is a danger of the spindle breaking and injuring the operator or bystander. Although we have not been notified that anyone has been injured as a result of these spindles, we shipped these superior replacement spindles to you at no charge.

Due to the potential safety concerns involved with the original spindles, we strongly recommend that you STOP USING THIS MACHINE IMMEDIATELY and replace the original spindles with these superior new spindles.

If you have any questions, feel free to contact our Technical Support at (570) 546-9663.

Getting Started

This procedure takes approximately one hour to complete and requires the following materials listed below.

Materials Needed

Qty

- Safety Glasses 1 for each person
- Brass Drift or Block of Wood..... 1
- Hammer..... 1
- Dead Blow Hammer 1
- Retaining-Ring Pliers..... 1
- Hex Wrench 5mm..... 1
- Block of Wood (approximately 22"-23")..... 1
- Blocks of Wood (equal dimensions) 2
- Shop Rag(s) As Needed

Upgrade Kit Contents

- Spindles (P9933021) 3



Figure 1. New Spindle.

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To install the upgrade kit components:

1. DISCONNECT THE SPINDLE SHAPER FROM POWER!
2. Remove the spindle guard.
3. Raise the cutter spindle all the way up, as shown in **Figure 2**, and engage the spindle lock.

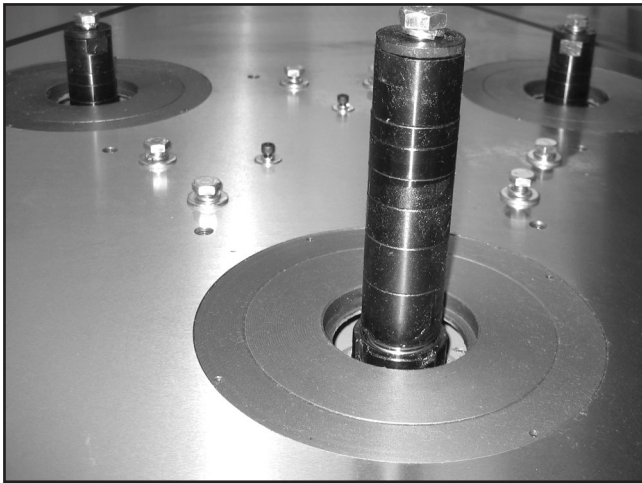


Figure 2. Cutter spindle fully elevated.

4. Remove the cutter spindle using the spindle wrench, as shown in **Figure 3**.



Figure 3. Removing spindle.

5. Remove the inner table insert, as shown in **Figure 4**.

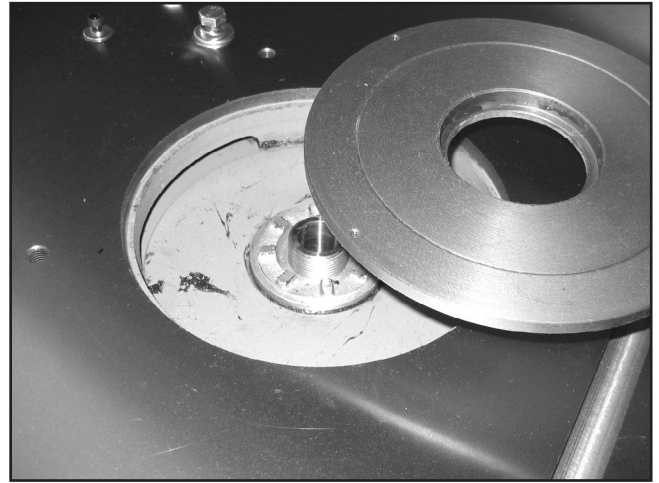


Figure 4. Inner table insert removed.

6. Using a brass drift or block of wood and a hammer, loosen and remove the cover, as shown in **Figure 5**.



Figure 5. Removing cover.

7. Remove the internal retaining ring (shown in **Figure 6**) with retaining-ring pliers.

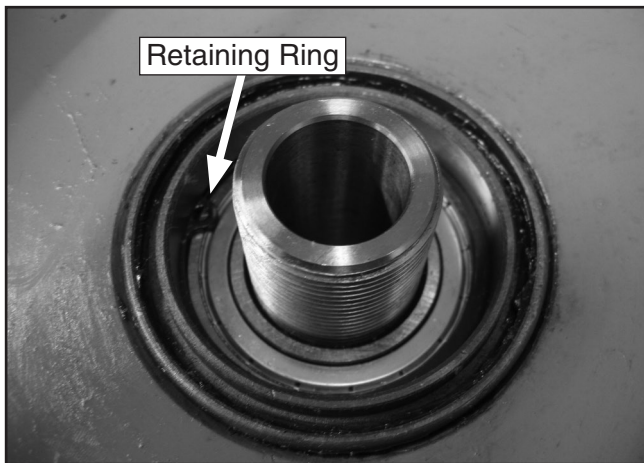


Figure 6. Retaining ring location.

8. Open the cabinet door, unlock the belt handle, and remove the V-belt from the spindle pulley (**Figure 7**).

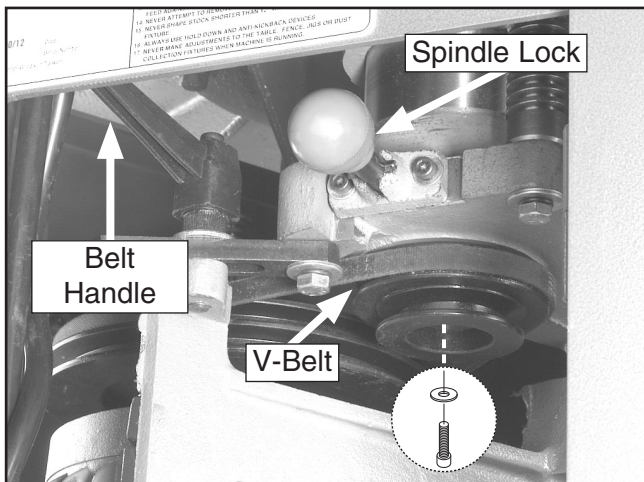


Figure 7. Locations under table.

9. Using a 5mm hex wrench, remove the cap screw and flat washer from the bottom of the pulley (**Figure 7**).
10. Disengage the spindle lock, and remove the spindle pulley and key located at the bottom of the spindle (**Figure 7**).

11. Place a 22" block of wood under the spindle, as shown in **Figure 8**. Lower the spindle by turning the elevation handle until the spindle can be removed from the top of the inside tube.

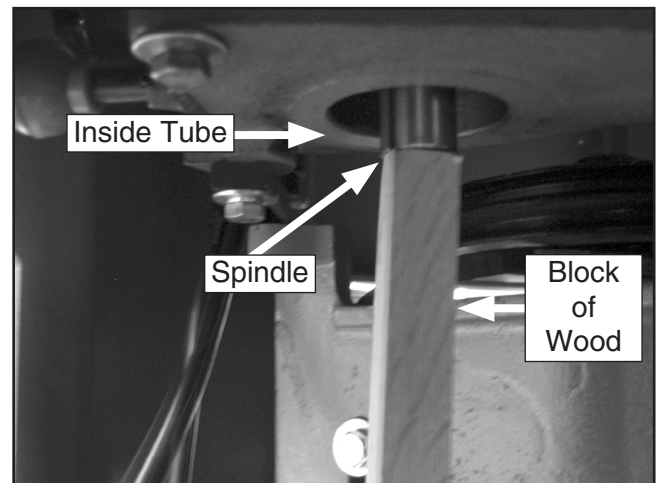


Figure 8. Removing the spindle.

12. Place two blocks of wood with equal dimension against the spindle with one of the bearings resting on top. Place as many shop rags as needed under the spindle to cushion the spindle when the bearing is removed. Use a dead blow hammer to lightly tap the spindle to remove the bearing, as shown in **Figure 9**.

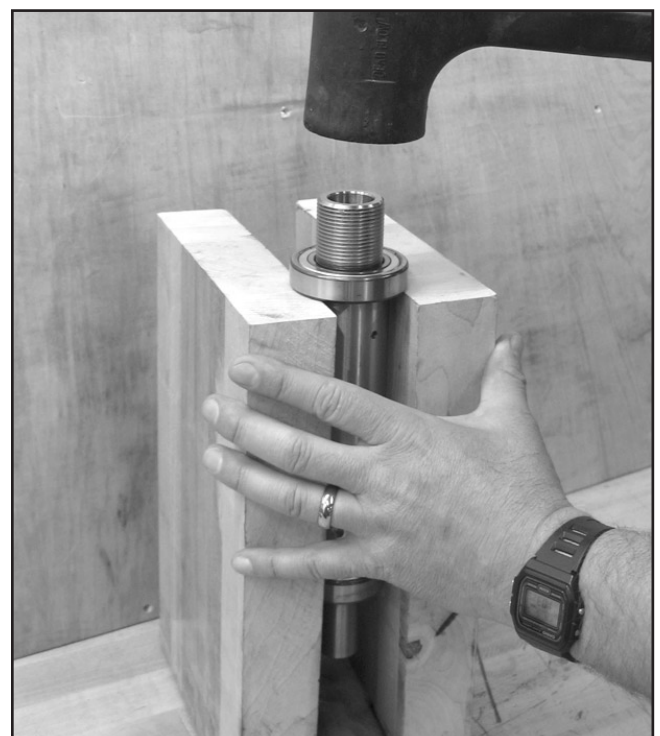


Figure 9. Removing the bearings.

13. Examine both bearings after they have been removed from the old spindle.

—If the bearings are rough or show signs of wear, replace them.

—If the bearings are still in good condition, re-install them using the two blocks of wood from **Step 12** and lightly tapping the bearings back onto the spindle, as shown in **Figure 10**.



Figure 10. Reinstalling bearings.

14. Place the new spindle and bearings into the top of the inside tube and lightly tap into place using a piece of wood and a dead blow hammer.

Be careful not to damage the bearings during spindle installation by using excessive force on misaligned bearings. The spindle should be positioned where the retaining ring groove is visible, as shown in **Figure 11**.



Figure 11. Installing new spindle.

15. Re-install the key, spindle pulley, cap screw, washer, and V-belt. Check that the belt handle is secure and that the V-belt is correctly tensioned.

16. Re-install the internal retaining ring, making sure that it is properly seated in the groove (**Figure 11**).

17. Thread the cover back on top of the inside tube and tighten.

18. Re-install the inner table insert and spindle guard.

19. Repeat **Steps 1–18** for the two remaining spindles.

If you need help with these procedures, call our Tech Support at: (570) 546-9663.